## Amendments to and Listing of Claims

Please amend claims 1-22 and cancel claim 23. This listing of claims will replace all prior versions and listings of claims in the application:

- (Currently Amended) A compact boss for use in a shutter assembly having a plurality of modular units, each modular unit adapted to mount a shutter blade and shutter blades, said boss including:
  - a) a short axial member whereby the boss is adapted to rotate about the axis of the axial member;
  - b) a complementary surface adapted to engage a translating member capable of translating the linear motion of the translating member into rotational movement of the boss:
  - c) a bearing surface adapted to rest in or on a support in the shutter assembly; and
  - d) blade engagement means to impart rotational motion to the blade corresponding to the rotational motion of the boss

an elongate member unit stackable and engageable to like elongate member units to form an assembled elongate member; and

a support for a compact boss adapted to be engaged to the shutter blade, whereby rotation of the compact boss causes rotation of the shutter blade

wherein the elongate member is adapted to facilitate the reciprocal travel of a translating member along or within the assembled elongate member and the support is adapted to support the compact boss for co-action with the translating member to translate the reciprocal motion of the translating member into rotational motion in the compact boss whereby to pivot the shutter blade.

2. (Currently Amended) A boss shutter assembly according to claim 1, wherein the blade engagement means engages the boss with the blade at two or more locations off centre relative to the axis of rotation of the axial pin elongate member unit includes a pair of separately formed and joinable half components.

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- 3. (Currently Amended) A boss shutter assembly according to claim 1, wherein the blade engagement means includes at least one protrusion extending from either the boss or the shutter blade, such that the protrusion of the boss or the shutter blade is keyed to co act with a correspondingly configured recess in the shutter blade or the boss, respectively assembled elongate member units form a housing for the compact boss and the translating member.
- 4. (Currently Amended) A boss shutter assembly according to claim 1, wherein the engagement means includes a pair of protrusions lockably engageable to corresponding recesses in an end of the shutter blade translating member is controlled by a motorized turning means having sensors responsive to environmental conditions.
- 5. (Currently Amended) A boss shutter assembly according to claim 1, wherein the complementary surface includes a combination of ridges and recesses adapted to cooperate with complementary features on the translating member elongate member unit may be formed from one or more components.
- 6. (Currently Amended) A boss shutter assembly according to claim 5 1, wherein the complementary surface is in the form of a geared teeth elongate member unit may include a unitary integrally molded component.
- 7. (Currently Amended) A shutter assembly according to claim 1, for use with a plurality of the bosses defined in claim 1, said shutter assembly including:
  - a pair of opposed, parallel, spaced elongate members, at least one said elongate member a plurality of the supports, each support adapted to support one of the plurality of bosses; the translating-member adapted to travel reciprocally along or within at least one of said elongate members; and
  - a plurality of the shutter blades, each said blade engaged with one of said bosses wherein the elongate member unit may include a cast component.
- 8. (Currently Amended) A shutter assembly according to claim 7 1, wherein the at least one elongate member is in the form of a housing adapted to house a plurality of the bosses engagement of the modular unit to adjacent like member units may include a variety of modular unit engagement means.

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- 9. (Currently Amended) A shutter assembly according to claim 8, wherein each boss includes seal means to prevent the ingress of dirt and grime into the housing the modular unit engagement means may include male members adapted to engagedly co-operate with female members on an adjacent member unit.
- 10. (Currently Amended) A shutter assembly according to claim 9, wherein the seal means includes a bush coaxial to, and from which extends, the axial pin male members include headed pins.
- 11. (Currently Amended) A The shutter assembly according to of claim 8, wherein the shutter assembly comprises a plurality of modular units, each modular unit adapted to mount one of the shutter blades and including:

  an elongate member unit stackable and engageable to like elongate member units to form the elongate member in assembled form; and one of the supports for one of the bosses

  modular unit engagement means include snap lock locaters.
- 12. (Currently Amended) A The shutter assembly according to of claim 11 8, wherein the elongate member unit includes a pair of separately formed and joinable half components modular unit engagement means include any one chosen from the group of apertures, grooves, tracks, slots or the like.
- 13. (Currently Amended) A shutter assembly according to claim 41 1, wherein the assembled elongate member units form a housing for the bosses and the translating member compact boss includes:
  - a) a short axial member whereby the boss is adapted to rotate about the axis of the axial member;
  - b) a complementary surface adapted to engage the translating member capable of translating the linear motion of the translating member into rotational movement of the boss;
  - c) a bearing surface adapted to rest in or on a support in the shutter assembly; and

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- d) blade engagement means to impart rotational motion to the blade corresponding to the rotational motion of the boss.
- 14. (Currently Amended) A shutter assembly according to claim 41 13, wherein the translating member is controlled by a motorised turning means having sensors responsive to environmental conditions blade engagement means engages the boss with the blade at two or more locations off-centre relative to the axis of rotation of the axial pin.
- 15. (Currently Amended) A shutter assembly according to claim 7 13, wherein the shutter assembly includes one or more cassettes, each said cassette including:

a pair of cassette elongate members which form the whole or at least part of the pair of elongate members;

a cassette translating member which forms the whole or at least part of the translating member;

a plurality of cassette bosses which form the whole or at least part of the plurality of bosses; and

a plurality of cassette blades which form the whole or at least part of the plurality of shutter blades

blade engagement means includes at least one protrusion extending from either the boss or the shutter blade, such that the protrusion of the boss or the shutter blade is keyed to co-act with a correspondingly configured recess in the shutter blade or the boss, respectively.

- 16. (Currently Amended) A shutter assembly according to claim 15 13, wherein the pair of cassette elongate members are adapted to remain substantially co-planar relative to each other during installation of said cassette without the need for top or bottom reinforcing rail members parallel to the cassette blades engagement means includes a pair of protrusions lockably engageable to corresponding recesses in an end of the shutter blade.
- 17. (Currently Amended) A shutter assembly according to claim 45 13, wherein each cassette is in modular kit form ready to be installed into a pre-existing wall opening the complementary surface includes a combination of ridges and recesses adapted to cooperate with complementary features on the translating member.

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- 18. (Currently Amended) A shutter assembly according to claim 47 13, wherein each cassette is engageable to like cassettes to cover a wall opening larger than an individual eassette the complementary surface is in the form of geared teeth.
- 19. (Currently Amended) A shutter assembly according to claim 1, wherein at least one of said plurality of shutter blades includes an elongate body having a constant cross section along its length, said body including: with a plurality of the bosses defined in claim 13, said shutter assembly including:

a main portion extending along a first edge of the body substantially the full length of the body, said main portion having a top external surface substantially convex in profile and an underside surface; and

a minor portion integrally formed with the main portion and extending along the other edge of the body substantially the full length of the body, said minor portion having a top external surface substantially concave in profile,

whereby the portion of the underside surface of the main portion to the first edge has a profile adapted to rest in snug relationship to a like shutter blade in the depression defined by the concave external surface of the like shutter blade.

a pair of opposed, parallel, spaced elongate members, at least one said elongate member having a plurality of the supports, each support adapted to support one of the plurality of bosses;

the translating member adapted to travel reciprocally along or within at least one of said elongate members; and

a plurality of the shutter blades, each said blade engaged with one of said bosses.

20. (Currently Amended) A shutter assembly according to claim 19, wherein said at least one shutter blade has an aerofoil shape wherein its upper surface has contours with opposing radii and the underside surface of the main portion follows substantially the same contour as the top external surface of the main portion, the profile of the main portion slightly tapering towards the main longitudinal edge the at least one elongate member is in the form of a housing adapted to house a plurality of the bosses.

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- 21. (Currently Amended) A shutter assembly according to claim 19, wherein said at least one shutter blade includes heating means each boss includes seal means to prevent the ingress of dirt and grime into the housing.
- 22. (Currently Amended) A shutter assembly according to claim 21 19, wherein said heating means includes electrical heating elements the seal means includes a bush coaxial to, and from which extends, the axial pin.
- 23. (Cancelled)